

Welcome to the world of CIGRE

- A global community for the collaborative development and sharing of power system expertise
- Not for profit, established in Paris, France 1921
- A long history as a key player in the development of the power system
- Produces reference publications based on practical experience and analysed data
- An open, engaging, fact-based culture
- Connecting power systems professionals from all over the globe



Watch the
welcome video



A collaborative global community sharing knowledge and expertise

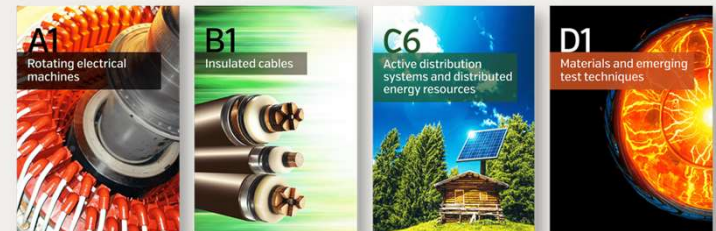
- 59 National Committees – NCs
- 15000 members from over 90 countries
- 1200+ organisations spanning the global power system
- A high number of major utilities
- A unique collaborative culture
- Includes some of the world's leading experts
- Diverse perspectives from every corner of the globe



The world's foremost power system knowledge development programme



- Community experts and CIGRE bodies define strategic focus
- Focused on key strategic themes based on key challenges, trends and issues
- Applied to CIGRE's 16 domains of work
- 250+ Working Groups develop the knowledge
- Involving 1000's of power system professionals



[VIEW 16 DOMAINS OF WORK](#)



Watch a short video on
the knowledge
programme structure



CIGRE's 16 domains of work each has a dedicated Study Committee



Group A – Equipment:

- A1 Rotating electrical machines
- A2 Power transformers and reactors
- A3 Transmission and distribution equipment

Group B – Technologies:

- B1 Insulated cables
- B2 Overhead lines
- B3 Substations and electrical installations
- B4 DC systems and power electronics
- B5 Protection and automation

Group C – Systems:

- C1 Power system development and economics
- C2 Power system operation and control
- C3 Power system environmental performance
- C4 Power system technical performance
- C5 Electricity markets and regulation
- C6 Active distribution systems and distributed energy resources

Group D – New materials & IT:

- D1 Materials and emerging test techniques
- D2 Information systems and telecommunication



Watch a short video on the knowledge programme structure

CIGRE's four current strategic directions

Future power
systems

Environment and
sustainability

Best use of
existing systems

Unbiased information
for all stakeholders



A focus on current pressing challenges:

- Renewable energy sources
- Growing environmental requirements
- Limitations to build new transmission infrastructures
- Architecture of networks and systems
- Maintaining the existing power systems
- Transmission of large amounts of power over long distances
- Cyber security
- Intermittency of renewable power generation



A global collaborative programme and the Paris Session



- A worldwide programme comprising 100's of high value events run by the
- Study Committees (SCs) National Committees (NCs) and other CIGRE groups
- Spanning large events such as CIGRE Symposia and Colloquia and numerous local conferences
- Culminating every two years in the Paris Session
- The world's #1 global power system event, unique for its thought leadership



For more on the Paris Session and CIGRE's collaborative programme watch a video



A global collaborative programme and the Paris Session

- The Paris Session at a glance
 - 3500+ delegates
 - 5000 industry participants
 - 94+ countries
 - Massive trade exhibit
 - 160+ working meetings
 - 30+ Study Committee sessions



The authoritative source of power system technical reference information

- 14000+ technical reference documents and publications
- Including 700+ comprehensive Technical Brochures
- Based on practical experience and analysed data
- Many used in global standards
- Includes the famous CIGRE “Green Books”
- 100’s of technical publications added every year
- All available from online library e-cigre.org



For more on CIGRE's
publications and reference
materials watch a video



Connecting power system people with the knowledge and solutions they need

- A CIGRE membership delivers demonstrable value underpinned by world leading substance
- From individuals through to large organisations the benefits are extensive



Nine ways CIGRE membership delivers value

1. Be prepared future key trends, innovations and challenges
2. Learn from real world experiences, lessons and successes
3. Inform your decisions with diverse global perspectives
4. Collaborate with your local CIGRE organisation (NC) to address local challenges
5. Source the most authoritative reference information
6. Get unbiased, vendor neutral, fact-based, technical solutions
7. Gain access, at a nominal cost, to world leading experts
8. Grow your individual and organisational skills
9. Connect with your industry in a technically-based setting



For more on CIGRE's
Benefits ask for our
Info leaflet

